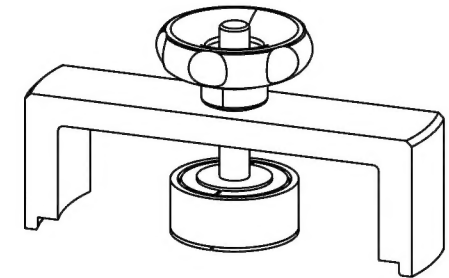
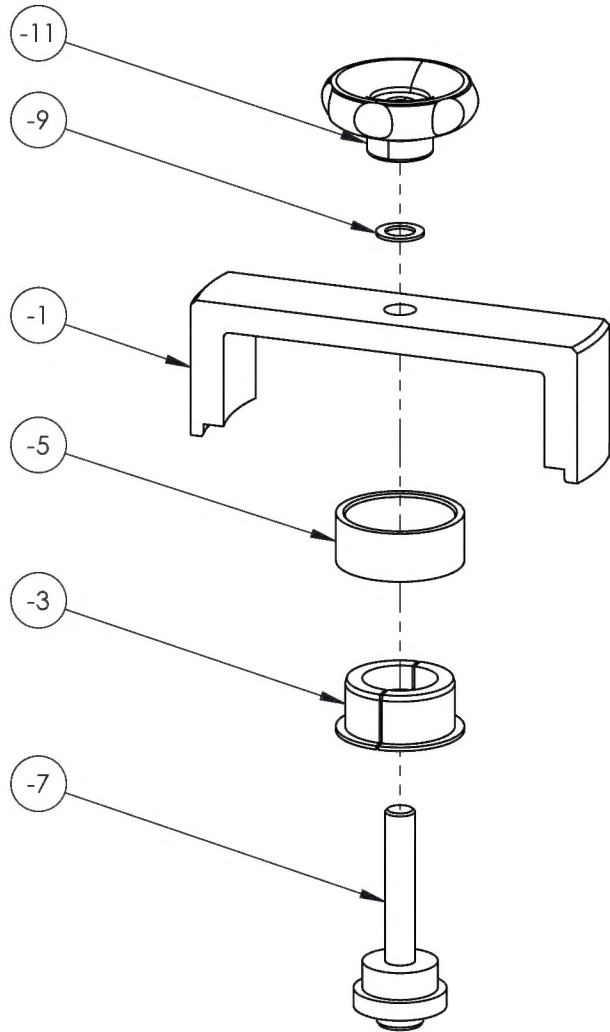


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -1 BOM INFO PER S.E. CH'D -1 ENGRAVE NOTES PER R.W. & RADIUS FROM R.100 PER G.E. CH'D -3 CUTLINE GAP FROM .040 PER G.E.	5/9/2011	RJC	RW
1A		CH'D TOOL NAME WAS ECS DRIVE QUILL HOUSING REMOVER IS TOOL, ECS DRIVE QUILL SEAL HOUSING REMOVER TO MATCH PARTS MANUAL.	11/4/2013	RJC	RW
2	17-0091	UPDATED TO NEW STANDARD. ADDED OEM REF NOTE. DELETED DIMS 3.585, 5.448. -1 CH'D DIMS WAS 2X Ø8.255 IS Ø8.255, WAS 2X Ø8.813 IS Ø8.813, WAS 2X Ø7.390 IS Ø7.390, WAS 1.900 IS 1.90, WAS 2X 30° IS 30°, WAS 2X 2.990 IS 2.99, WAS 2X.276 IS .276, WAS 2X 2.362 IS 2.36, WAS 2X .063 IS .06, WAS R.125 IS R.13, WAS 2X .12 X 45° IS .12 X 45°. -3 CH'D DIMS WAS 1.141 IS 1.14, WAS BASIC .079 IS .078-.080, WAS BASIC .058 IS .057-.059, WAS BASIC Ø1.784 IS Ø1.783-1.785, DELETED DIM 2X 1.316, CORRECTED GD&T. -5 CH'D DIM WAS 1.061 IS 1.06, CORRECTED GD&T WAS 1 IS // . -7 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F TYPE II CLASS II IS ZINC PLATE ASTM B633 TYPE I SC2. CH'D DIMS WAS 4.725 IS 4.73, WAS .070 IS .07, WAS 60° IS 30°. DELETED DIM .178, ADDED DIM 3.16 MIN. -11 CH'D B/O REF WAS REID #KHN-115 IS 5/8-11 X Ø3.27 X 1.57 (MSC #52216553).	4/20/2017	DPD	JAG

NOTES:

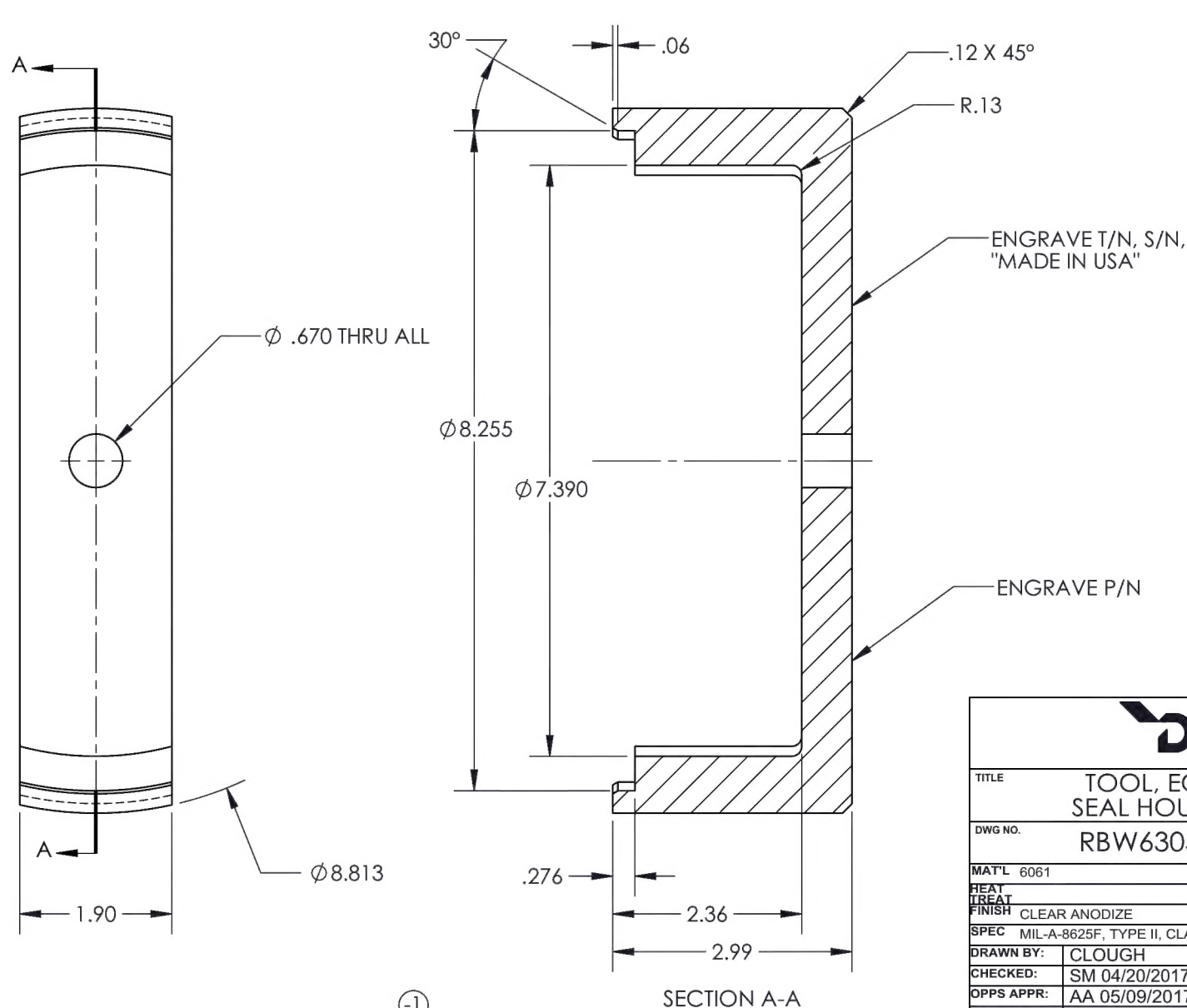
- PART OF KIT RBW6305G01531-3G, BOX TWO RBW6305G19731-3G.
- REF. AGUSTA T/N: 3G6305G18631.

DART AEROSPACE																											
TITLE TOOL, ECS DRIVE QUILL SEAL HOUSING REMOVER																											
DWG NO. RBW6305G18631-3G	REV 2																										
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td></td> <td>.XX ± .01 ANGLES ± 5°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125/✓</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: CLOUGH</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>CHECKED: SM 04/20/2017</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>OPPS APPR: AA 05/09/2017</td> <td>USED ON MODEL</td> </tr> <tr> <td>QA APPR: JL 05/10/2017</td> <td>AW139</td> </tr> <tr> <td>APPROVED: JAG 05/18/2017</td> <td></td> </tr> <tr> <td>SCALE 1:4</td> <td>DATE 2/4/2011</td> </tr> <tr> <td colspan="2">SHEET 1 OF 5</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX ± .005 FRACTIONS ± 1/8		.XX ± .01 ANGLES ± 5°		.X ± .1 SURFACES = 125/✓	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	CHECKED: SM 04/20/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	OPPS APPR: AA 05/09/2017	USED ON MODEL	QA APPR: JL 05/10/2017	AW139	APPROVED: JAG 05/18/2017		SCALE 1:4	DATE 2/4/2011	SHEET 1 OF 5	
MAT'L	UNLESS OTHERWISE SPECIFIED																										
HEAT TREAT	DIMENSIONS ARE IN INCHES																										
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DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																										
CHECKED: SM 04/20/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																										
OPPS APPR: AA 05/09/2017	USED ON MODEL																										
QA APPR: JL 05/10/2017	AW139																										
APPROVED: JAG 05/18/2017																											
SCALE 1:4	DATE 2/4/2011																										
SHEET 1 OF 5																											

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	FRAME	6061		2
			-3	1	TWO HALF KEEPER	6061		3
			-5	1	LOCK RING	6061		4
			-7	1	PULLER	4140/4142		5
		B/O	-9	1	WASHER	ALUMINUM	Ø5/8 I.D. X Ø1 O.D. X .063 (MCMASTER-CARR #92661A745)	1
		B/O	-11	1	6 LOBE KNOB	PLASTIC	5/8-11 X Ø3.27 X 1.57 (MSC #52216553)	1

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -1 ENGRAVE NOTES PER R.W. & RADIUS FROM R.100 PER G.E.	5/9/2011	RJC	RW
2	17-0091	-1 CH'D DIMS WAS 2X Ø8.255 IS Ø8.255, WAS 2X Ø8.813 IS Ø8.813, WAS 2X Ø7.390 IS Ø7.390, WAS 1.900 IS 1.90, WAS 2X 30° IS 30°, WAS 2X 2.990 IS 2.99, WAS 2X.276 IS .276, WAS 2X 2.362 IS 2.36, WAS 2X .063 IS .06, WAS R.125 IS R.13, WAS 2X .12 X 45° IS .12 X 45°.	4/20/2017	DPD	JAG

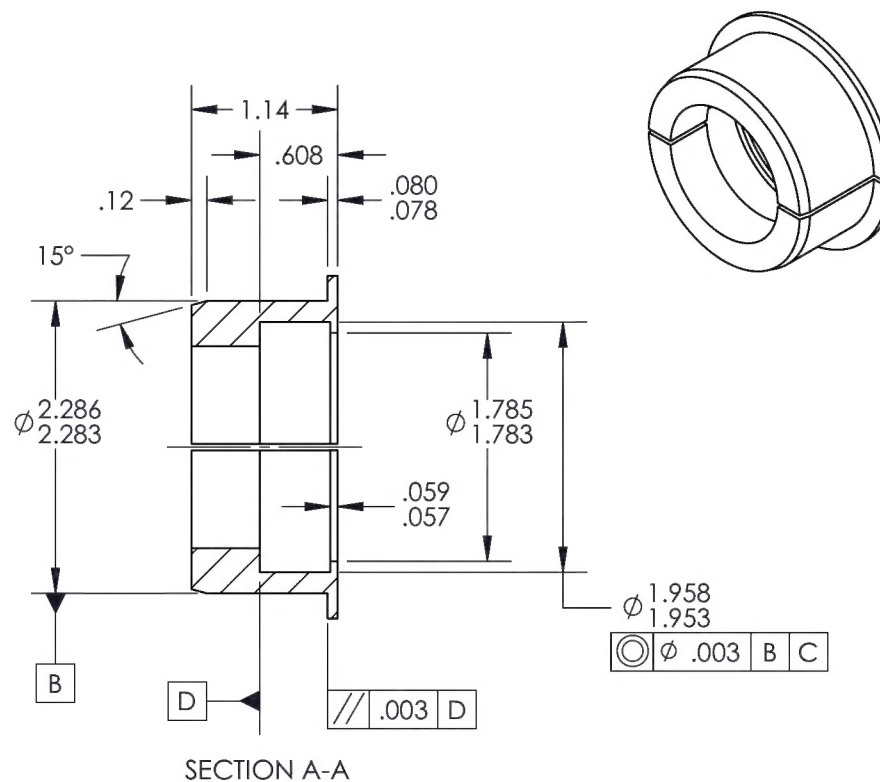
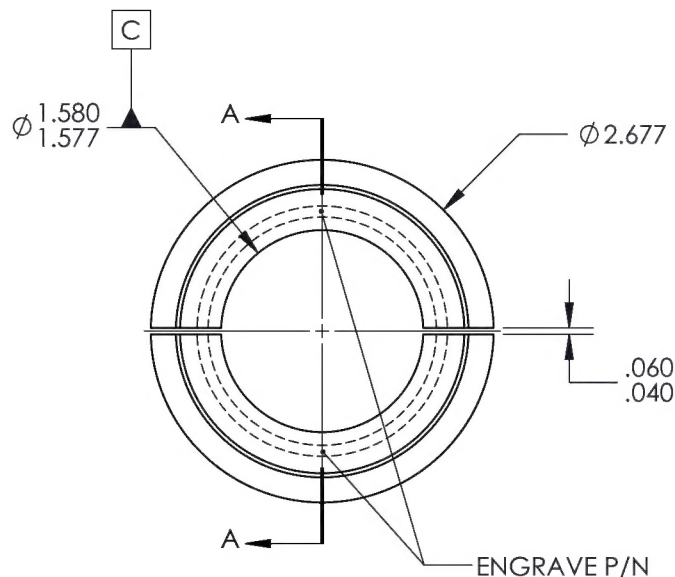


(-1)
FRAME

DART AEROSPACE	
TITLE TOOL, ECS DRIVE QUILL SEAL HOUSING REMOVER	
DWG NO. RBW6305G18631-3G-1	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± .5°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X ± .1 SURFACES = 125✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: SM 04/20/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 05/09/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 05/10/2017	USED ON MODEL
APPROVED: JAG 05/18/2017	AW139
SCALE 1:2	DATE 2/4/2011
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -3 CUTLINE GAP FROM .040 PER G.E.	5/9/2011	RJC	RW
2	17-0091	-3 CH'D DIMS WAS 1.141 IS 1.14, WAS BASIC .079 IS .078-.080, WAS BASIC .058 IS .057-.059, WAS BASIC Ø1.784 IS Ø1.783-1.785. DELETED DIM 2X 1.316. CORRECTED GD&T.	4/20/2017	DPD	JAG

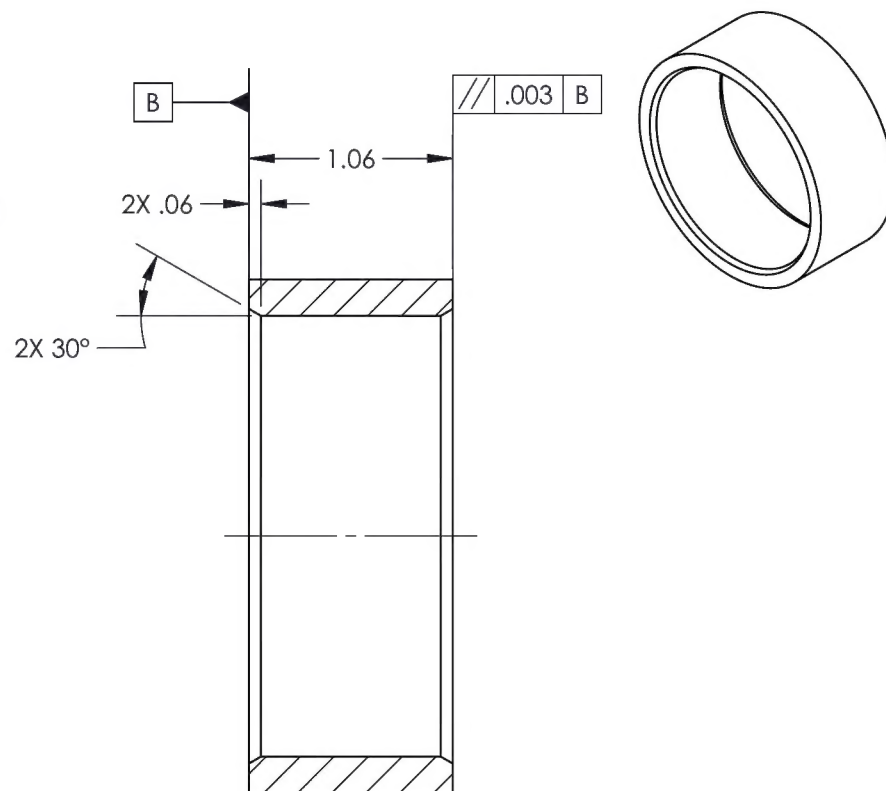
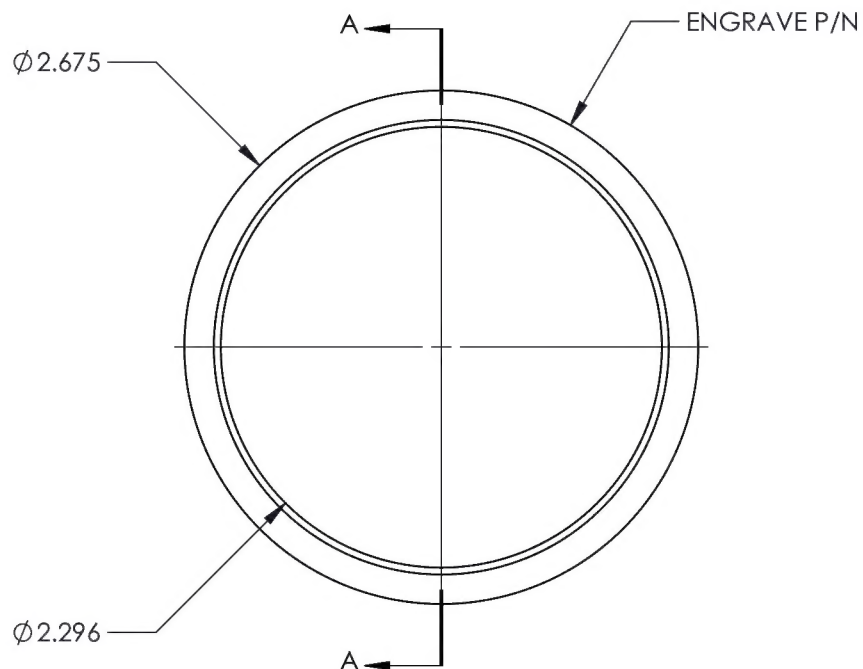


③
TWO HALF KEEPER

DART AEROSPACE	
TITLE TOOL, ECS DRIVE QUILL SEAL HOUSING REMOVER	
DWG NO. RBW6305G18631-3G-3	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ±.5°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X ± .1 SURFACES = 125✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: SM 04/20/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 05/09/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 05/10/2017	USED ON MODEL
APPROVED: JAG 05/18/2017	AW139
SCALE 2:3	DATE 2/4/2011
SHEET 3 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0091	-5 CH'D DIM WAS 1.061 IS 1.06. CORRECTED GD&T WAS \perp IS \parallel .	4/20/2017	DPD	JAG

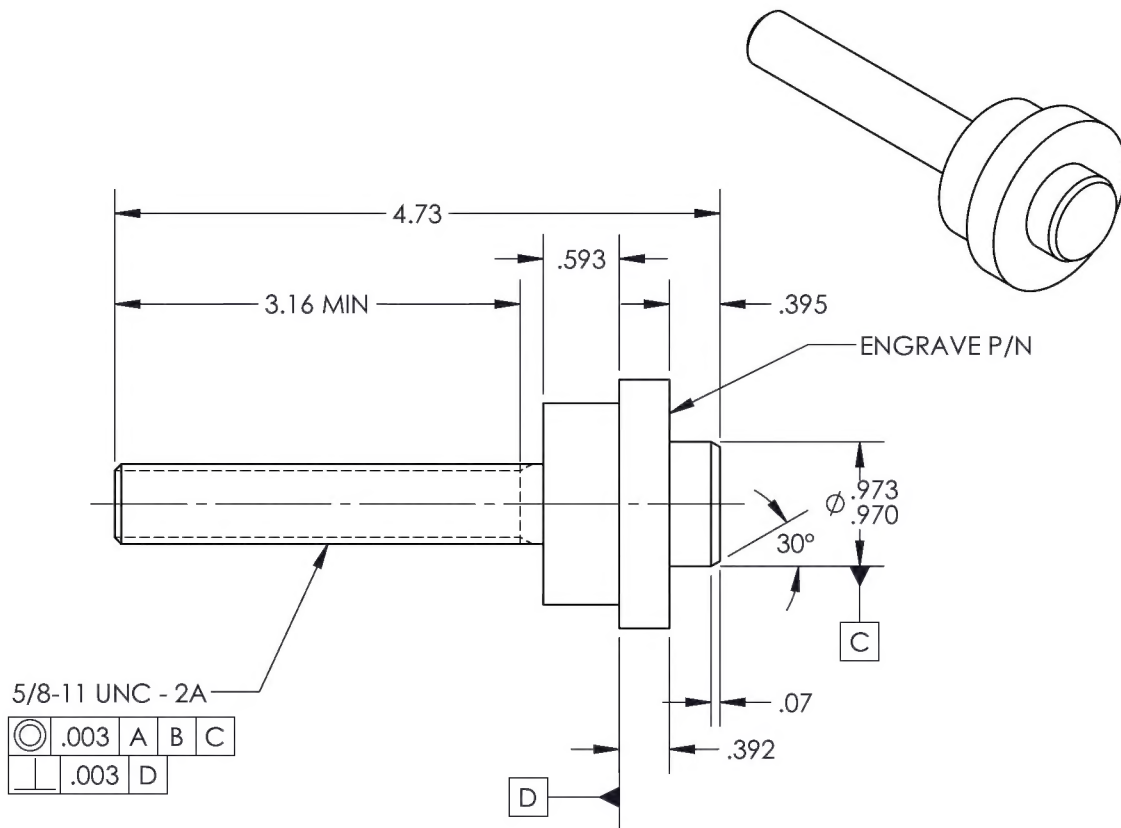
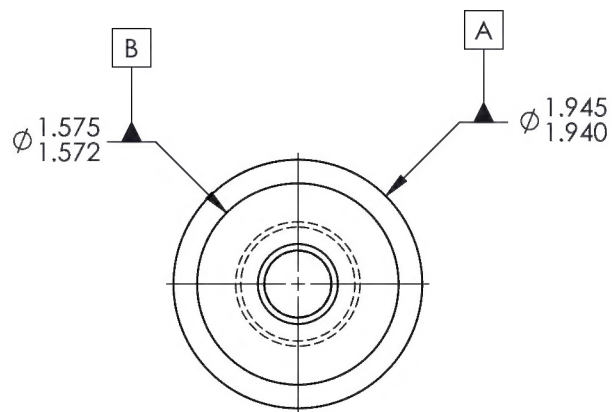



SECTION A-A

(5)
LOCK RING

DART AEROSPACE	
TITLE TOOL, ECS DRIVE QUILL SEAL HOUSING REMOVER	
DWG NO. RBW6305G18631-3G-5	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX \pm .01 ANGLES \pm 5°
DRAWN BY: CLOUGH	.X \pm .1 SURFACES = 125
CHECKED: SM 04/20/2017	1. BREAK ALL SHARP EDGES
OPPS APPR: AA 05/09/2017	.015 x 45° OR .015R
QA APPR: JL 05/10/2017	2. DIMENSIONAL LIMITS APPLY
APPROVED: JAG 05/18/2017	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 2/4/2011	USED ON MODEL
	AW139
	SHEET 4 OF 5

REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
2	17-0091	-7 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F TYPE II CLASS II IS ZINC PLATE ASTM B633 TYPE I SC2. CH'D DIMS WAS 4.725 IS 4.73, WAS .070 IS .07. DELETED DIMS .178, 60°. ADDED DIMS 3.16 MIN, 30°.	4/20/2017	DPD	JAG	



			
TITLE		TOOL, ECS DRIVE QUILL SEAL HOUSING REMOVER	
DWG NO.		REV	
RBW6305G18631-3G-7		2	
MAT'L 4140/4142		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ± 1/8 .XXX ± .005 .XX ± .01 .X ± .1 ANGLES ± 5° SURFACES = 125/√	
HEAT TREAT RC 28-34			
FINISH ZINC PLATE			
SPEC ASTM B633 TYPE I SC 2			
DRAWN BY: CLOUGH			
CHECKED: SM 04/20/2017		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
OPPS APPR: AA 05/09/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
QA APPR: JL 05/10/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED: JAG 05/18/2017		USED ON MODEL AW139	
SCALE	2:3	DATE	2/4/2011
		SHEET 5 OF 5	